

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re the Application of:

CHANG SU RYU, ET AL.

Application No.:

Filed:

For: **APPARATUS AND METHOD FOR  
CONTROLLING VEHICLE BRAKE USING  
BRAIN WAVES**

Art Group:

Examiner:

**INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. §1.97**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

In accordance with the duty of disclosure, enclosed is a copy of Information Disclosure Statement by Applicant (form PTO/SB/08), which is being submitted concurrently with the Utility Application. It is respectfully requested that the cited references be considered and that the enclosed copy of PTO/SB/08 be initialed by the Examiner to indicate such consideration and a copy thereof returned to applicant(s).

The submission of this Information Disclosure Statement is not to be construed as a representation that a search has been made in the subject application and is not to be construed as an admission that the information cited in this statement is material to patentability.

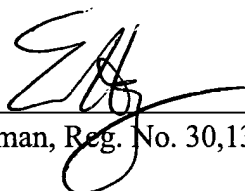
Please charge any fees due to Deposit Account 02-2666. A duplicate copy of the Fee Transmittal (PTO/SB/17) is enclosed for this purpose.

Respectfully submitted,

BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP

Date: \_\_\_\_\_

9/24/03

  
Eric S. Hyman, Reg. No. 30,139

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(310) 207-3800

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicants :

Serial No.:

Filed :

Title : Apparatus and method for controlling brake using brain waves

Commissioner of Patents and Trademarks

Washington DC 20231

**INFORMATION DISCLOSURE STATEMENT**

Dear Sirs:

Korean Patent Application No. 1993-21335 is directed to an apparatus for controlling brake. The apparatus comprises a brain wave sensing portion (10) for sensing driver's brain wave and converting the signals into electrical brain signals; amplifier (20) for amplifying the electrical brain signals outputted from the brain wave sensing portion (10); D/A converter (30) for converting analog type signal outputted from the amplifier to digital type signal; memory (60) for digitalizing and storing specific brain wave of urgent situation as reference brain; microcontroller (40) for comparing the signal outputted from D/A converter (13) with stored reference signal and outputting brake pedal driving control signal in urgent situation; and brake driving portion (60) for operating foot brake pedal depending control signal outputted from the microcontroller (40).

Respectfully submitted,

Date : \_\_\_\_\_

\_\_\_\_\_

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**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicants :

Serial No.:

Filed :

Title : Apparatus for controlling brake using driver's brain waves

Commissioner of Patents and Trademarks  
Washington DC 20231

**INFORMATION DISCLOSURE STATEMENT**

Dear Sirs:

Korean Patent Application No. 1996-57464 is directed to an apparatus for controlling brake. The apparatus comprises a brain wave sensing portion (11) for sensing driver's brain wave and converting the signals into electrical brain signals; amplifier (12) for amplifying the electrical brain signals outputted from the brain wave sensing portion (11); D/A converter (13) for converting analog type signal outputted from the amplifier to digital type signal; memory (15) for digitalizing and storing specific brain wave of urgent situation as reference brain; microcontroller (14) for comparing the signal outputted from D/A converter (13) with stored reference signal and outputting brake pedal driving control signal in urgent situation; and brake driving portion (16) for operating foot brake pedal depending control signal outputted from the microcontroller (14).

Respectfully submitted,

Date : \_\_\_\_\_

\_\_\_\_\_

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